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In [ ]: from tkinter import *
        from tkinter import messagebox
        import re
        from datetime import datetime, date

tk=Tk()

tk.title('Form')
tk.geometry('450x450')

user_name_label = Label(tk, text = "Enter Name").place(x = 40, y = 60)
gender_label = Label(tk, text = "Select Gender").place(x = 40, y = 100)
langs_label = Label(tk, text = "Select Languages").place(x = 40, y = 140)
country_label = Label(tk, text = "Select Country").place(x = 40, y = 220)
dob = Label(tk, text = "Enter DOB (dd/mm/yyyy)").place(x = 40, y = 260)
join_date = Label(tk, text = "Enter Joining Date").place(x = 40, y = 300)

user_name_val = StringVar()
user_name_entry = Entry(tk, width = 30, textvariable=user_name_val).place(x = 200, y = 60)
dob_val = StringVar()
dob_entry = Entry(tk, width = 30, textvariable=dob_val).place(x = 200, y = 260)
join_date_val = StringVar()
join_date_entry = Entry(tk, width = 30, textvariable=join_date_val).place(x = 200, y = 300)

gender_val=IntVar()
Radiobutton(tk, text="Male", padx=5, variable=gender_val, value=1).place(x=190, y=100)
Radiobutton(tk, text="Female", padx=5, variable=gender_val, value=2).place(x=250, y=100)
Radiobutton(tk, text="others", padx=5, variable=gender_val, value=3).place(x=320, y=100)

c_lang = IntVar()
py_lang = IntVar()
java_lang = IntVar()
js_lang = IntVar()
c = Checkbutton(tk, text="C", variable=c_lang).place(x = 200, y = 140)
py = Checkbutton(tk, text="Python", variable=py_lang).place(x = 280, y = 140)
java = Checkbutton(tk, text="Java", variable=java_lang).place(x = 200, y = 180)
js = Checkbutton(tk, text="Javascript", variable=js_lang).place(x = 280, y = 180)

country_list = ["India", "Nepal", "US", "UK"]

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value_inside = StringVar()
value_inside.set(country_list[0])
question_menu = OptionMenu(tk, value_inside, *country_list)
question_menu.place(x= 200, y= 220)

age = IntVar()
experience = IntVar()

def handle_submit():
    if not re.match(r'^[A-Za-z\s\.\.]+$ ', user_name_val.get()):
        messagebox.showerror("Name Error", "Only alphabets are allowed in name.")

    formatted_dob = datetime.strptime(dob_val.get(), '%d/%m/%Y').date()
    today = date.today()

    if today > formatted_dob:
        month_day_diff = ((today.month, today.day) < (
            formatted_dob.month, formatted_dob.day))
        age.set(today.year - formatted_dob.year - month_day_diff)
    else:
        messagebox.showerror("Date Error", "Invalid DOB.")

    formatted_join_date = datetime.strptime(join_date_val.get(), '%d/%m/%Y').date()
    today = date.today()

    if today > formatted_join_date:
        month_day_diff = ((today.month, today.day) < (
            formatted_join_date.month, formatted_join_date.day))
        experience.set(today.year - formatted_join_date.year - month_day_diff)
    else:
        messagebox.showerror("Date Error", "Invalid Join Date.")

gender = ['Male', 'Female', 'Others']

languages = ''
if(c_lang.get()): languages += 'C '
if(java_lang.get()): languages += 'Java '
if(py_lang.get()): languages += 'Python '
if(js_lang.get()): languages += 'JS '

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if user_name_val.get() != '' and age.get() != 0:
    messagebox.showinfo("User Info", f"Name: {user_name_val.get()} \nGender: {gender[gender_val.get() - 1]} \nLabguages: {lang

Button(tk, text="Submit", width=10, command=handle_submit).place(x=175, y=360)

# messagebox.showinfo("Info", "Registration form.")

tk.mainloop()
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